Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. - 2. (Cancelled)

3. (Currently Amended) A radio communication system, comprising: a base station of a first radio communication system; a base station of a second radio communication system including a cell being in close proximity to or overlapping a cell for communications by the base station of the first radio communication system, and operating asynchronous to the base station of the first radio communication system; and a mobile station capable of communications with both the first and second radio communication systems, wherein

the mobile station includes:

a radio section that receives a radio wave from each of the first and second radio communication systems; and

a system information estimation section that ~~estimates system information of the second radio communication system from~~ scans a plurality of radio frequencies to determine a frequency of the radio wave received from the second radio communication system, ~~the system information including an indication of the existence of the second radio communication system,~~ determines a transmission mode of the second radio communication system based on the determined frequency, and outputs the determined transmission mode as system estimation information,

the base station of the first radio communication system includes:

a storage section that stores the system estimation information provided by the mobile station, and

a switching is made between separate radio communication systems by informing the system estimation information from the base station of the first radio communication system to

the mobile station in the cell for communications by the base station of the first radio communication system.

4. (Previously Presented) The radio communication system according to claim 3, wherein:

the mobile station includes a position detection section that detects position information of the mobile station,

the base station of the first radio communication system includes a storage section that stores the system estimation information and the position information provided by the mobile station, and

a switching is made between the separate radio communication systems by informing the system estimation information and the position information from the base station of the first radio communication system to the mobile station in the cell for communications by the base station of the first radio communication system.

5. - 6. (Cancelled)

7. (Currently Amended) A base station in a radio communication system, comprising: a first base station of a first radio communication system; a second base station of a second radio communication system including a cell being in close proximity to or overlapping a cell for communications by the first base station, and operating asynchronous to the first base station; and a mobile station capable of communications with both the first and second radio communication systems, wherein

the first base station includes:

an other system reception section that receives a radio wave from the second base station;

a system information estimation section that ~~estimates system information of the second radio communication system~~scans a plurality of radio frequencies to determine a frequency of the received radio wave from an output of the other system reception section based on the received radio wave, ~~the system information including an indication of the existence of the second communication system~~determines a transmission mode of the second radio

communication system based on the determined frequency, and outputs the determined transmission mode as system estimation information; and

a storage section that stores the system estimation information being ~~an~~ output ~~of~~ from the system information estimation section, and

a switching is made between separate radio communication systems by informing the system estimation information of the second base station from the first base station to the mobile station in communications with the first base station.

8. - 15. (Cancelled)

16. (Currently Amended) A mobile station capable of communications with both a base station of a first radio communication system, and a base station of a second radio communication system including a cell being in close proximity to or overlapping a cell for communications by the base station of the first radio communication system, and operating asynchronous to the base station of the first radio communication system, comprising:

a radio section that receives a radio wave from each of the first and second radio communication systems; and

a system information estimation section that ~~estimates the existence of the second radio communication system from~~scans a plurality of radio frequencies to determine a frequency of the radio wave received from the second radio communication system, determines a transmission mode of the second radio communication system based on the determined frequency, and outputs the determined transmission mode as system estimation information ~~indicating the existence of the second radio communication system~~, wherein

for communications with the base station of the first radio communication system, a switching is made between separate radio communication systems by informing the system estimation information to the base station of the first radio communication system.

17. (Original) The mobile station according to claim 16, comprising a position detection section that detects position information of the mobile station, wherein

for communications with the base station of the first radio communication system, a switching is made between the separate radio communication systems by informing the system

estimation information and the position information to the base station of the first radio communication system.

18. (Original) The mobile station according to claim 17, wherein

the position detection section detects absolute position information.

19. (Original) The mobile station according to claim 17, wherein

the position detection section detects relative position information from the base station.

20. (Currently Amended) A mobile station capable of communications with both a base station of a first radio communication system, and a base station of a second radio communication system including a cell being in close proximity to or overlapping a cell for communications by the base station of the first radio communication system, and operating asynchronous to the base station of the first radio communication system, comprising

a radio section that receives a radio wave from each of the first and second radio communication systems;

a system information estimation section that ~~estimates system information of the second radio communication system from~~scans a plurality of radio frequencies to determine a frequency of the radio wave received from the second radio communication system, ~~the system information including an indication of the existence of the second radio communication system,~~ determines a transmission mode of the second radio communication system based on the determined frequency, and outputs the determined transmission mode as system estimation information; and

a storage section that stores the system estimation information output from the system information estimation section, wherein

a switching is made between separate radio communication systems by storing the system estimation information in the storage section when no communications are going on with the base station of the first radio communication system, and by informing the system estimation information stored in the storage section to the base station of the first radio communication system when communications are through with the base station of the second radio communication system.

21. (Original) The mobile station according to claim 20, comprising a position detection section that detects position information of the mobile station, wherein

a switching is made between the separate radio communication systems by storing the system detection information in the storage section when no communications are going on with the base station of the first radio communication system, and by informing the system estimation information and the position information stored in the storage section to the base station of the first radio communication system when communications are through with the base station of the second radio communication system.

22. (Original) The mobile station according to claim 21, wherein

the position detection section detects absolute position information.

23. (Original) The mobile station according to claim 21, wherein

the position detection section detects relative position information from the base station.

24. (Previously Presented) The radio communication system according to claim 4, wherein

the position detection section detects absolute position information.

25. (Previously Presented) The radio communication system according to claim 4, wherein

the position detection section detects relative position information from the base station.

26. - 29. (Cancelled)